SEQUENCE LISTING

<110> Fraser, Douglas
St. Gallay, Steven

<120> Polypeptides, Polynucleotides and Uses Thereof

<130> KNI-004CP

<140>
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<150> 09/444,648
<151> 1999-11-22

<160> 14

<170> PatentIn Ver. 2.0

<210> 1
<211> 2235
<212> DNA
<213> Homo sapiens

<220>
<221> CDS
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<400> 1

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ga att cgg ctc gag gtg cct aag agg atg gat cgg agg tcc cgg gct    47
   Ile Arg Leu Glu Val Pro Lys Arg Met Asp Arg Arg Ser Arg Ala
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cag cag tgg cgc cga gct cgc cat aat tac aac gac ctg tgc ccg ccc    95
Gln Gln Trp Arg Arg Ala Arg His Asn Tyr Asn Asp Leu Cys Pro Pro
                20                  25                  30

ata ggc cgc cgg gca gcc acc gcg ctc ctc tgg ctc tcc tgc tcc atc   143
Ile Gly Arg Arg Ala Ala Thr Ala Leu Leu Trp Leu Ser Cys Ser Ile
            35                  40                  45

gcg ctc ctc cgc gcc ctt gcc acc tcc aac gcc cgt gcc cag cag cgc   191
Ala Leu Leu Arg Ala Leu Ala Thr Ser Asn Ala Arg Ala Gln Gln Arg
        50                  55                  60

gcg gct gcc caa cag cgc cgg agc ttc ctt aac gcc cac cac cgc tcc   239
Ala Ala Ala Gln Gln Arg Arg Ser Phe Leu Asn Ala His His Arg Ser
    65                  70                  75

ggc gcc cag gta ttc cct gag tcc ccc gaa tcg gaa tct gac cac gag   287
Gly Ala Gln Val Phe Pro Glu Ser Pro Glu Ser Glu Ser Asp His Glu
80                  85                  90                  95

cac gag gag gca gac ctt gag ctg tcc ctc ccc gag tgc cta gag tac   335
His Glu Glu Ala Asp Leu Glu Leu Ser Leu Pro Glu Cys Leu Glu Tyr
                100                 105                 110

gag gaa gag ttc gac tac gag acc gag agc gag acc gag tcc gaa atc   383
Glu Glu Glu Phe Asp Tyr Glu Thr Glu Ser Glu Thr Glu Ser Glu Ile
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                115                 120                 125

gag tcc gag acc gac ttc gag acc gag cct gag acc gcc ccc acc act   431
Glu Ser Glu Thr Asp Phe Glu Thr Glu Pro Glu Thr Ala Pro Thr Thr
        130                 135                 140

gag ccc gag acc gag cct gaa gac gat cgc ggc ccg gtg gtg ccc aag   479
Glu Pro Glu Thr Glu Pro Glu Asp Asp Arg Gly Pro Val Val Pro Lys
    145                 150                 155

cac tcc acc ttc ggc cag tcc ctc acc cag cgt ctg cac gct ctc aag   527
His Ser Thr Phe Gly Gln Ser Leu Thr Gln Arg Leu His Ala Leu Lys
160                 165                 170                 175

ttg cga agc ccc gac gcc tcc cca agt cgc gcg ccg ccc agc act cag   575
Leu Arg Ser Pro Asp Ala Ser Pro Ser Arg Ala Pro Pro Ser Thr Gln
                180                 185                 190

gag ccc cag agc ccc agg gaa ggg gag gag ctc aag ccc gag gac aaa   623
Glu Pro Gln Ser Pro Arg Glu Gly Glu Glu Leu Lys Pro Glu Asp Lys
            195                 200                 205

gat cca agg gac ccc gaa gag tcg aag gag ccc aag gag gag aag cag   671
Asp Pro Arg Asp Pro Glu Glu Ser Lys Glu Pro Lys Glu Glu Lys Gln
        210                 215                 220

cgg cgt cgc tgc aag cca aag aag ccc acc cgc cgt gac gcg tcc ccg   719
Arg Arg Arg Cys Lys Pro Lys Lys Pro Thr Arg Arg Asp Ala Ser Pro
    225                 230                 235

gag tcc cct tcc aaa aag gga ccc atc ccc atc cgg cgt cac           761
Glu Ser Pro Ser Lys Lys Gly Pro Ile Pro Ile Arg Arg His
240                 245                 250

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gtaaaagcac cattgtgaag cagatgagga tcctgcatgt taatgggttt aatggagagg 881

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ctttcccttc ccccgagtga ttttgcgaaa ccccctttc ccttcagctt gcttagatgt 2021

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atgtgagcaa aaaaaaaaaa aaaagggcgg ccgc 2235

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<213> Homo sapiens

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Ile Arg Leu Glu Val Pro Lys Arg Met Asp Arg Arg Ser Arg Ala Gln
1 5 10 15

Gln Trp Arg Arg Ala Arg His Asn Tyr Asn Asp Leu Cys Pro Pro Ile
20 25 30

Gly Arg Arg Ala Ala Thr Ala Leu Leu Trp Leu Ser Cys Ser Ile Ala
35 40 45

Leu Leu Arg Ala Leu Ala Thr Ser Asn Ala Arg Ala Gln Gln Arg Ala
50 55 60

Ala Ala Gln Gln Arg Arg Ser Phe Leu Asn Ala His His Arg Ser Gly
65 70 75 80

Ala Gln Val Phe Pro Glu Ser Pro Glu Ser Glu Ser Asp His Glu His
85 90 95

Glu Glu Ala Asp Leu Glu Leu Ser Leu Pro Glu Cys Leu Glu Tyr Glu
100 105 110

Glu Glu Phe Asp Tyr Glu Thr Glu Ser Glu Thr Glu Ser Glu Ile Glu
115 120 125

Ser Glu Thr Asp Phe Glu Thr Glu Pro Glu Thr Ala Pro Thr Thr Glu
130 135 140

Pro Glu Thr Glu Pro Glu Asp Asp Arg Gly Pro Val Val Pro Lys His
145 150 155 160

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Ser Thr Phe Gly Gln Ser Leu Thr Gln Arg Leu His Ala Leu Lys Leu
                165                 170                 175

Arg Ser Pro Asp Ala Ser Pro Ser Arg Ala Pro Pro Ser Thr Gln Glu
            180                 185                 190

Pro Gln Ser Pro Arg Glu Gly Glu Glu Leu Lys Pro Glu Asp Lys Asp
        195                 200                 205

Pro Arg Asp Pro Glu Glu Ser Lys Glu Pro Lys Glu Glu Lys Gln Arg
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Arg Arg Cys Lys Pro Lys Lys Pro Thr Arg Arg Asp Ala Ser Pro Glu
225                 230                 235                 240

Ser Pro Ser Lys Lys Gly Pro Ile Pro Ile Arg Arg His
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<210> 3
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Leu Ser Ala Leu
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<210> 4
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Leu His Ala Leu
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Gly Pro Ile Pro Ile Arg Arg His
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Ser Phe Leu Asn
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Pro Ser Lys Lys
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Ala Thr Ala Leu
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<210> 11
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<213> Homo sapiens

<220>
<223> At postions 1-30 and 35-64, Xaa indicates any amino acid, which may or may not be present

<400> 11
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Leu His
20 25 30

Ala Leu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

50 55 60

<210> 12
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<223> At postions 1-30 and 39-68, Xaa indicates any amino acid, which may or may not be present

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1 5 10 15

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Gly Pro
20 25 30

Ile Pro Ile Arg Arg His Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
35 40 45

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
50 55 60

Xaa Xaa Xaa Xaa
65

<210> 13
<211> 11
<212> PRT
<213> Homo sapiens

<400> 13
Gln Arg Leu His Ala Leu Lys Leu Arg Ser Pro
1 5 10

<210> 14
<211> 11
<212> PRT
<213> Bovine Sp.

<400> 14
Glu Arg Leu Ser Ala Leu Arg Leu Arg Ser Pro
1 5 10